

PLANT POT

FIELD OF THE INVENTION

The present invention relates to improvements of plant
5 pots.

BACKGROUND OF THE INVENTION

Plant pots used for planting ornamental plant flowers, for
example, or for raising seedling, are generally formed in such
10 a manner that brown ware or synthetic resin materials are formed
into a cylindrical shape with the bottom by injection molding,
and the bottom is provided with a perforated hole for drainage
in a penetrating manner.

In a case where such plant pots are used, after the
15 perforated hole for drainage provided at the bottom is blocked
with a net or peddles in a porous state, potting soil is placed
into the plant pot and ornamental plant flowers are vegetated
and raised with the potting soil.

In the above-described formed plant pot, water during
20 sprinkling is easily drained, therefore, water supply should
be frequently carried out in the summer, or during a dry season.
This presents a drawback in which management of plants such
as ornamental plant flowers is troublesome.

Then, blockage of the drainage hole may be considered,
25 however, the drainage hole functions as a permeable hole as
well. As such, there was a drawback in which blockage could
not be carried out since root rot tended to occur.

SUMMARY OF THE INVENTION

Then, the present invention has been proposed in consideration of the above-described drawbacks, and the purpose of the invention is to provide a plant pot in which
5 the water supply interval can be long even in the summer without root rot and management of plants can be carried out handily.

The plant pot according to the present invention for achieving the above-described object formed in a cylindrical shape with the bottom at which the upper part thereof opens
10 is characterized in that the bottom is provided with a drainage hole in a penetrating manner and a water storage portion is provided at the inside of the bottom.

Additionally, the plant pot of the present invention is characterized in that a drainage hole is formed at the central
15 part of the bottom, a partition wall is installed inside the plant pot at the circumference of the drainage hole, and water storage portions are formed between the corresponding partition wall and the inner circumferential surface of the side wall of the plant pot.

20 BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a perspective view of the plant pot according to the present invention.

Fig. 2 is a plan view of the plant pot according to the present invention.

25 Fig. 3 is a bottom view of the plant pot according to the present invention.

Fig. 4 is a longitudinal sectional view of the plant pot

according to the present invention.

Fig. 5 is a longitudinal sectional view of a state of use of the plant pot according to the present invention.

Fig. 6 is a longitudinal sectional view of a state where the
5 plant pots according to the present invention are stacked.

DESCRIPTION OF THE PREFERRED EMBODIMENT

An embodiment of the plant pot according to the present invention will be described with reference to the drawings.

Fig. 1 is a perspective view of the plant pot of the present
10 invention, Fig. 2 is a plan view of the plant pot, Fig. 3 is a bottom view of the plant pot, Fig. 4 is a longitudinal sectional view of the plant pot, and numeral 1 in the drawings generally denotes the plant pot.

The plant pot 1 is formed in a cylindrical shape with a
15 side wall 2 formed in a tapered shape in which the upper part opens outwardly narrowing downwardly in such a manner that a synthetic resin material is injection molded.

The bottom 3 is formed in a plate shape and is formed at the part slightly above from the bottom end of the side wall
20 2, and a drainage hole 4 is provided at the central part thereof in a penetrating manner.

The drainage hole 4 not only drains surplus water but functions to support breathing (ventilation) of the potting soil to be fed into the plant pot 1 or plant roots.

25 Additionally, at the substantial intermediate position on the upper surface of the bottom 3 between the drainage hole 4 and the inner circumferential surface of the side wall 2,

a circular partition wall 5 is integrated with the bottom 3, thereby forming a water storage portion 6 between the corresponding partition wall 5 and the inner circumferential wall of the side wall 2. (Refer to Fig. 2 and Fig. 4.)

5 As shown in Fig. 4, the bottom 3 surrounded by the circular partition wall 5 in which the drainage hole 4 is formed is formed in a gradual sectional circular arc shape so that the drainage hole 4 becomes the apex, and on the lower surface of the bottom 3 just below the circular partition wall 5, a hollow 8 is
10 circularly formed so as to fit into the upper end part 7 of the partition wall 5.

Further, at the lower end part of the side wall 2 formed in a tapered shape in which the upper part opens outwardly narrowing downwardly, semicircular hollows 9 are formed for
15 draining water drained from the drainage hole 4 or supporting circulation of air for breathing of plant roots.

As shown in Fig. 5, in the above-described formed plant pot 1, the drainage hole 4 provided at the center of the bottom 3 in a penetrating manner is blocked with peddles 10, or the
20 like.

In this case, the partition wall 5 is formed at the circumference of the drainage hole 4, whereby the quantity of peddles 10 can be reduced in comparison with the conventional pot bottom 3 which is bedded over with peddles.

25 Next, a potting soil 11 is fed into the plant pot 1, and an ornamental plant 12 is planted and raised therein.

During raising of the plant, fertilizer application and

water supply are carried out, the surplus is drained out from the drainage hole 4.

On the other hand, at the water storage portion 6 formed between the partition wall 5 and the inner circumferential surface of the side wall 2, water 13 in which fertilizer, etc., is dissolved is stored.

Therefore, the potting soil 11 is moistened with the water 13 containing fertilizer being stored in the water storage portion 6, whereby the ornamental plant 12 is prevented from being run dry even when water supply is omitted just in case and management of the ornamental plant 12 is facilitated by making the interval of water supply long.

Additionally, as shown in Fig. 6, when transporting or housing the plant pot 1 of the present invention, the plant pots are stacked by making the upper end part 7 of the partition wall 5 align with the circular hollow 8 formed at the lower surface of the bottom 5, whereby not only transport or housing of the plant pots is carried out compactly in a stable manner without consuming space, but also taking-out of the plant pots can easily be carried out without remaining stacked to each other.

Further, in the above-described embodiment, it is described that the plant pot 1 is formed of a synthetic resin material, however, it is not limited thereto, the plant pot 1 may be formed of brown ware or another material.

Additionally, in the above-described embodiment, it is described that the drainage hole 4 is formed at the center of

the bottom, however, a plurality of drainage holes 4 may be provided in a penetrating manner, further, the water storage portion is formed at the center of the bottom and the plurality of drainage holes may be formed at the circumference thereof.

5 As described above, the plant pot according to the present invention, wherein the drainage hole is provided in a penetrating manner at the bottom of the plant pot which is formed in a cylindrical shape with the bottom the upper part of which opens, and the water storage portion is formed at the
10 inside of the bottom, whereby a portion of water supplied into the plant pot is stored at the water storage portion. Advantageous effects can be brought about such that the water supply interval can be long even in the summer, or a dry season, saving trouble, whereby management of plants can be carried
15 out handily.

 Additionally, since the drainage hole is not sealed hermetically, permeability from the drainage hole can be acquired, whereby advantageous effects can be brought about such that root rot can be prevented and favorable conditions
20 of plants can be maintained over in a long period of time.